Author (s): Ryan Hsu   **Date:** November 5 2021   **Version:** 1.0
NYUTRADE

USE CASE NAME:	Authorize	USE CASE TYPE Business Requirements
USE CASE ID:	001	
PRIORITY:	High	
PRIMARY BUSINESS ACTOR:	User	
OTHER PARTICIPATING ACTORS:	SSO	
SHORT DESCRIPTION:	User logs into the system using either NYU SSO or Google+ in order to utilize functionalities of the software.	
PRE-CONDITION:	User is not currently logged in.	
TRIGGER:	Once the user starts the application, they will be prompted to log in with options of either NYU SSO or Google+.	
TYPICAL COURSE OF EVENTS:	**Actor Action**	**System Response**
	Step 1: User starts the NYUTRADE application.	**Step 2**: The system offers the options of logging in with NYU SSO or Google+, and prompts the user to choose one.

	Step 3: User chooses one of the two login methods.	**Step 4**: System initiates SSO, prompting user for authentication details.
	Step 5: SSO authenticates and logs in the user.	**Step 6**: System returns message of successful login.
ALTERNATE COURSES:	**Step 5:** SSO denies authentication.	
	Step 6: System returns message of failed login attempt, prompts user to retry or log in using another method.	
CONCLUSION:	User is logged into their account and ready to use other functionalities.	
POST-CONDITION:	The main menu is displayed to the user and the account information is loaded.	

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		USE CASE TYPE
USE CASE NAME:	Search for Items	**Business Requirements**
USE CASE ID:	002	
PRIORITY:	High	
PRIMARY BUSINESS ACTOR:	User	
OTHER PARTICIPATING ACTORS:	N/A	
SHORT DESCRIPTION:	This feature allows users to search for an item on the website through the search bar, for which the system displays all the available products that match the item description.	
PRE-CONDITION:	The user must be logged into the system.	
TRIGGER:	User chooses "Search for Item" tab in main menu.	

TYPICAL COURSE OF EVENTS:	**Actor Action**	**System Response**
	Step 1: User chooses "Search for Item" tab in main menu.	**Step 2**: System prompts user to enter keyword for search.

	Step 3: User enters keyword(s) into search bar.	**Step 4**: System displays all items with names/descriptions including the keyword(s).
	Step 5: User chooses one of the displayed items.	**Step 6**: System displays details of the item.
ALTERNATE COURSES:	**Step 5:** User chooses to leave the search function.	
	Step 5: User chooses to add filters to the search. **Step 6:** System displays all items with names/descriptions including the keyword(s) and corresponding filters.	
CONCLUSION:	System displays to the user all (if any) items matching the keywords (and filters) provided	
POST-CONDITION:	The system is displaying the list of items searched for, the details of a chosen item, or the main menu	

USE CASE NAME:	Rate a user	**USE CASE TYPE** **Business Requirements**
USE CASE ID:	003	
PRIORITY:	Low	
PRIMARY BUSINESS ACTOR:	User	
OTHER PARTICIPATING ACTORS:	N/A	
SHORT DESCRIPTION:	Users have the option to rate other users they have interacted with (e.g. Seller can rate its buyers, buyer can rate the seller).	
PRE-CONDITION:	User must be logged into the system and have interacted with the user they want to rate (had a transaction).	
TRIGGER:	24 hours after the transaction takes place .	
TYPICAL COURSE OF EVENTS:	**Actor Action**	**System Response**
	Step 1: User confirms the completion of a transaction.	**Step 2**: System waits for 24 hours starting from the transaction confirmation, then prompts user to rate the buyer/seller.

	Step 3: User chooses a rating from 1 to 5 stars, and enters an additional comment (optional).	Step 4: System confirms completion of rating.
ALTERNATE COURSES:	Step 3: User chooses to not give a rating to the buyer/seller. Step 4: System returns user to the main menu.	
CONCLUSION:	User rates or skips rating the buyer/seller with whom they make a transaction.	
POST-CONDITION:	The rating is added to the profile of the rated user, the average rating of the rated user is recalculated.	

USE CASE NAME:	Post Listing	**USE CASE TYPE** **Business Requirements**
USE CASE ID:	004	
PRIORITY:	High	
PRIMARY BUSINESS ACTOR:	Seller	
OTHER PARTICIPATING ACTORS:	N/A	
SHORT DESCRIPTION:	This feature allows sellers to post items or services that they are interested in providing.	
PRE-CONDITION:	Seller must be logged into the system.	
TRIGGER:	User chooses "Post Listing" in the main menu.	
TYPICAL COURSE OF EVENTS:	**Actor Action**	**System Response**
	Step 1: User chooses "Post Listing" in the main menu.	**Step 2**: System transfers to the "Post Listing" tab, prompts user to enter details of the listing.

	Step 3: User enters details for the listing and clicks post.	**Step 4**: System asks user to confirm details and post.
	Step 5: User confirms post details.	**Step 6**: System displays message of successful post, and logs item/service to listings, which is displayed on the listings tab.
ALTERNATE COURSES:	**Step 5:** User chooses to change details or discard post.	
CONCLUSION:	Item/service is successfully posted to the items listing.	
POST-CONDITION:	Item/service posted should be visible and available for buyers to choose from listing tab.	

USE CASE NAME:	Contact Seller	USE CASE TYPE Business Requirements
USE CASE ID:	005	
PRIORITY:	Medium	
PRIMARY BUSINESS ACTOR:	User	
OTHER PARTICIPATING ACTORS:	[another] User	
SHORT DESCRIPTION:	This feature allows users to chat with other users.	
PRE-CONDITION:	User is logged into their account.	
TRIGGER:	User clicks on the chat icon.	

TYPICAL COURSE OF EVENTS:	**Actor Action**	**System Response**
	Step 1: User clicks on the chat icon.	**Step 2**: System loads and displays all the conservations of the user.

	Step 3: User chooses a conversation.	**Step 4**: System displays the chat with the chosen user, prompts user to type message.
	Step 5: User types and sends messages to other user	**Step 6:** Messages are sent to receiving user and recorded in chat history.
ALTERNATE COURSES:	N/A	
CONCLUSION:	User sends messages to another user.	
POST-CONDITION:	The messages sent are displayed in the chat and available for the user to see if they decide to open this conversation in the future.	

USE CASE NAME:	Turn on listing notifications	USE CASE TYPE Business Requirements
USE CASE ID:	006	
PRIORITY:	Low	
PRIMARY BUSINESS ACTOR:	Buyer	
OTHER PARTICIPATING ACTORS:	Seller	
SHORT DESCRIPTION:	This feature allows buyers to turn on notifications for new listings of specific sellers.	
PRE-CONDITION:	Buyer must be logged into the system.	
TRIGGER:	User clicks on notification icon.	

TYPICAL COURSE OF EVENTS:	Actor Action	System Response
	Step 1: User clicks on notification icon.	**Step 2**: System prompts user to enter which listings for which they want to be notified.

	Step 3: System enters details (sellers, keywords, categories for items, etc.)	**Step 4**: System shows the updated details for the user's notifications.
ALTERNATE COURSES:	N/A	
CONCLUSION:	Notifications are turned on for listings which match the user's preference.	
POST-CONDITION:	Whenever a listing posted matches the user's preference in the notification details, the user receives a notification regarding the listing.	

		USE CASE TYPE
USE CASE NAME:	Request an Item	**Business Requirements**
USE CASE ID:	007	
PRIORITY:	Medium	
PRIMARY BUSINESS ACTOR:	Buyer	
OTHER PARTICIPATING ACTORS:	N/A	
SHORT DESCRIPTION:	This feature allows buyers to request products, services, or currency exchange.	
PRE-CONDITION:	Buyer must be logged into the system.	
TRIGGER:	User chooses "Request an Item" on the main menu	

TYPICAL COURSE OF EVENTS:	**Actor Action**	**System Response**
	Step 1: User chooses "Request an Item" on the main menu.	**Step 2**: System transfers to the "Request an Item" tab, prompts user to enter details of the request

	Step 3: User enters details of the item/service/currency being requested.	**Step 4**: System posts the user's request in the request listings.
ALTERNATE COURSES:	N/A	
CONCLUSION:	The request of the user is posted to the request listings.	
POST-CONDITION:	Users should be able to see the request post in the request listings.	

USE CASE NAME:	Buying Process	**USE CASE TYPE** **Business Requirements**
USE CASE ID:	008	
PRIORITY:	High	
PRIMARY BUSINESS ACTOR:	Buyer	
OTHER PARTICIPATING ACTORS:	Seller	
SHORT DESCRIPTION:	This feature allows buyers to indicate that they want to buy the product and reserve it. The seller confirms selling the item to close the transaction and remove the item from listing.	
PRE-CONDITION:	Buyer and seller must be logged into the system. The item must be part of an existing listing and still available.	
TRIGGER:	User clicks the "Buy" icon on the profile page of an item.	

TYPICAL COURSE OF EVENTS:	**Actor Action**	**System Response**
	Step 1: Buyer clicks the "Buy" icon on the profile page of an item.	**Step 2**: System asks buyer to confirm if they would like to buy the item.

	Step 3: Buyer confirms buying the item.	Step 4: System displays success message of buying item, then notifies buyer of buy request.
	Step 5: Seller confirms selling of item.	Step 6: System displays message of successful transaction, then notifies both sides of the transaction.
ALTERNATE COURSES:	**Step 3:** Buyer cancels buying the item. **Step 4:** System displays message of cancelled buying.	
	Step 5: Seller denies request for buying item. **Step 6:** System notifies buyer of denied buy request.	
CONCLUSION:	If both sides confirm the transaction, item should be successfully traded, if one side cancels the transaction, trade should fail.	
POST-CONDITION:	If transaction is successful, item should be removed from listings. If one side of transaction cancels, item should remain available in listings.	

USE CASE NAME:	Remove an Item	USE CASE TYPE Business Requirements
USE CASE ID:	009	
PRIORITY:	Medium	
PRIMARY BUSINESS ACTOR:	Admin	
OTHER PARTICIPATING ACTORS:	N/A	
SHORT DESCRIPTION:	This feature allows the admin to remove item(s) from their listing if inappropriate.	
PRE-CONDITION:	Admin should be logged into the system. The item(s) must be part of an existing listing and still available.	
TRIGGER:	Admin clicks the "Remove" icon on the profile page of an item.	

TYPICAL COURSE OF EVENTS:	**Actor Action**	**System Response**
	Step 1: Admin clicks the "Remove" icon on the profile page of an item.	**Step 2**: System asks the admin to confirm removing the item from listings.

	Step 3: Admin confirms removal of the item.	Step 4: System removes item from listing, displays message of successful removal of item, and notifies seller that their listing has been removed.
ALTERNATE COURSES:	**Step 3:** Admin cancels removal of item. **Step 4:** System displays message of cancellation of removal.	
CONCLUSION:	Item is successfully removed from listings if confirmed by admin.	
POST-CONDITION:	Item removed should no longer be seen in items listings.	